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PATENT  
Docket No. 251002009300

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Assistant Commissioner for Patents, Washington, D.C. 20231, on June 19, 2002.

Jose Luna

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Emi NUNOKAWA, et al.

Serial No.: 09/989,974

Filing Date: November 20, 2001

For: METHODS FOR PRODUCING  
PROTEINS BY USING CELL-FREE  
PROTEIN SYNTHESIS SYSTEMS

Examiner: To be assigned

Group Art Unit: 1653

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INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

\*----- [OPTIONAL ¶ - IDS using Certification based on a Search Report]

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \* is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of \* is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to

Form PTO-1449

Docket Number 251002009300

Application Number 09/989,974

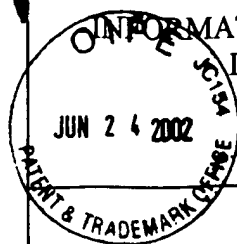
Applicant

Emi NUNOKAWA, et al.

Filing Date November 20, 2001

Group Art Unit 1653

Mailing Date June 19, 2002



# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	1.	07/1992	A-4-200390	Japan			
	2.	06/2000	A-2000-175695	Japan			

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	3.	Hendrickson. "Determination of Macromolecular Structures from Anomalous Diffraction of Synchrotron Radiation" Science 254:51-58 (1991)
	4.	Kigawa et al. "Structure Determination of Protein Folds Using the Cell-free Synthesis and NMR Spectroscopy" Experimental Medicine 18(18):60-64 (2000)
	5.	Spirin et al. "A Continuous Cell-Free Translation System Capable of Producing Polypeptides in High Yield" Science 242:1162-1164 (1988)

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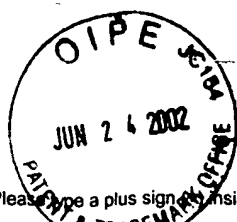
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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

1653



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PTO/SB/21 (08-00)  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/989,974	
	Filing Date	November 20, 2001	
	First Named Inventor	Emi NUNOKAWA	
	Group Art Unit	1853	
	Examiner Name	To be assigned	
Total Number Of Pages In This Submission	5	Attorney Docket No.	251002009300

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
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<input type="checkbox"/> Affidavits/declarations	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return postcard
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<input checked="" type="checkbox"/> Information Disclosure Statement; PTO form 1449; and 5 references	<input type="checkbox"/> Request for Refund	
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Kate H. Murashige Registration No. 29,959
Signature	
Date	June 18, 2002

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charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 251002009300. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: June 18, 2002

Respectfully submitted,

By: Kate H. Murashige  
Kate H. Murashige  
Registration No. 29,959

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